

KARSKI, W. mgr.

Social meeting of pharmacists from Czechoslovakia and Poland.  
Farmacja Pol. 19 no.17/18:379 25 S'63

\*

KARSKIY, B. Ye.

Ussr/Geology  
Ore Deposits  
Nickel

Nov/Dec 47

"Nickel-Sulfide Mineralization in the Intrusive  
Diabase of the Western Slopes of the Urals (Ust'-  
Churov'sky Deposits, Kraino-Visherskiy Rayon),"  
B. A. Kashin, B. Ye. Karstiy, 7 pp

"Is Ak Nauk SSSR, Ser Geol" No 6

Describes Ust'-Churov'sky deposits and explains  
studies conducted to determine whether or not nickel  
sulfide could be found in some of the basic Ural  
mineral rock. Established that diabase dikes were  
rich sources of nickel sulfide. Best deposits were  
in areas which had a western incline not to exceed  
75°.

60/49743

KARSKIY, S.Ye.

Chemical Abst.  
Vol. 48 No. 9  
May 10, 1954  
Mineralogical and  
Geological Chemistry

✓ Myrmekites in basic rocks. V. V. Pavlov and B. E. Karakul. *Izvest. Akad. Nauk S.S.S.R., Ser. Geol.* 1949, No. 5, 128-36. —Previously no myrmekites were known in which plagioclase intergrown with quartz was not highly albitic, with andesine as the extreme compn. Myrmekites were studied occurring in anorthosites, gabbro-norites, labradorites, or plagioclase-websterites, with primary plagioclases varying from  $Ab_{11}$  to  $Ab_{28}$ , but with K feldspar (microcline) nearly always absent. Orthorhombic pyroxene (hypersthene) is usually changed to talc, the monoclinic pyroxene trilitized. Particularly such myrmekites, in typically basic rocks, have a bytownitic plagioclase ( $Ab$  only 30-10) and no K feldspar. The myrmekites of this peculiar type are locally restricted to cleavage discontinuities of the primary plagioclase or to twin lamellar seams. The unexpected formation of such a basic plagioclase in intergrowth with quartz is explained by a reaction characterized by an enrichment in CaO in metasomatic solus.; at the same time Na silicates are enriched in bluish amphiboles.  
W. Eitel

KARSKIN, B. YE.

USSR/Cosmochemistry. Geochemistry. Hydrochemistry..

D

Abs Jour : Referat. Zhurnal Khimiya, No 6, 1957, 18914.

Author : B. Ye. Karskiy G.P. Lugovskoy.

Inst : All-Union Scientific Research Institute for Asbestos,  
Mica, Asbestos-Cement Products and Projection of Con-  
struction of Mica Industrial Concerns.

Title : Method of Studying and Characteristics of Inclusions  
in Muscovite of Mamsko-Chuyskiy Region.

Orig Pub. : Tr. Vses. N.-l. In-t. Asbesta, Slyudy, Asbastotsement.  
Izdeliy i Projektir. Str-va Predpriyatiy Slyud. Prom-  
sti, 1956, Vyp. 4, 39-70.

Abstract : No abstract.

Card 1/1

-26-

KARSKIY, B. Ye.

Geological and mineralogical criteria in the commercial  
estimation of mica-bearing pegmatites. Izv. vys. ucheb. zav.;  
geol. i razv. 8 no. 12:54-63 D '65 (MIRA 19:1)

1. Moskovskiy geologorazvedochnyy institut imeni S. Ordzhonikidze.

s/035/62/000/011/065/079  
A001/A101

AUTHOR: Karský, Georgij

TITLE: On the "lamp error" in measuring directions

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 11, 1962, 23 - 24, abstract 11G176 ("Geod. a kartogr. obzor", 1962, v. 8/50, no.5, 81 - 84, Czech)

TEXT: The author considers the problem of producing the image, by a mirror, of a pointed light source and a bulb with filaments. He notes that, as far as the telescope is aimed at the center of the image of a light source rather than at the mirror center, while sighting a lamp, the results of measuring directions may be affected by the "lamp error"  $\Delta\sigma$ . Its maximum value can be determined by the formula  $\Delta\sigma_{\max} = \rho \frac{R}{s}$ , where R is radius of mirror curvature, s is distance from the mirror center to the observer. Arguing with Tardy and Laclaver (RZhAstr, 1961, 5060) the author points out that the radical method of eliminat-

Card 1/2

On the "lamp error" in measuring directions

S/035/62/000/011/065/079  
A001/A101

ing the effect of "lamp error" is the use of a plane light source - a frosted bulb without reflector. There are 6 references.

N. M.

[Abstracter's note: Complete translation]

Card 2/2

KARSKIY, N. Ye., Engr.      Cand. Tech. Sci.

Dissertation: "Carbide Formation During Isothermal Transformation of Austenite of Alloy Steels." All-Union Order of Lenin Sci Res Inst of Aviation Materials - "VIAM" 10 Jul 47.

SO: Vechernyaya Moskva, Jul, 1947 (Project #17836)



19

5

USE OF A TEMPERATURE-GRADIENT INSTRUMENT FOR INVESTIGATING THE DECOMPOSITION OF AUSTENITE IN ALLOY STEELS. N.E. Karaskii and V.V. Balakin. (Zavodskaya Laboratoriya, 1947, vol. 13, pp. 840-844 (in Russian); Chemical Abstracts, 1949, vol. 43, Jan. 25, cols. 537-538). A specimen 3.5 mm. in dia. and 30 mm. long was heated in a special apparatus above the critical temperature, then one end was quenched in water and the other end maintained above the critical temperature and a temperature gradient created along the entire length of the specimen. After a specified time the entire specimen was quenched and then polished for microscopic examination. In studying a steel containing 0.74% C, 1.08% Cr, 2.15% Ni, 0.32% Mo, 0.10% Si and 0.52% Mn, the specimens were held at the temperature gradient for 3, 15, 60, and 120 min., respectively, and then quenched. The 3-min. specimen contained no pearlite or bainite and only a small amount of martensite; those held 15 and 60 min. contained increasing amounts of pearlite and bainite. The method permitted a rapid study of the is-ions curve characteristics of a given steel.

ASTM 31 A METALLURGICAL LITERATURE CLASSIFICATION

62 777-100-100

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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KARSKY,

21 Y

62/49T9

USSR/Metals

Alloys

Plastic Properties

Jul 49

"Investigating the Microplasticity of Commercial Alloys with Microgrids," T. I. Gudkova, N. Ye. Karskiy, G. I. Sorolev, All-Union Institute of Metals, Moscow, 1958, 112 pp

"Zavod Lab" No 7

Explains significance of plasticity and difficulties of its determination in actual alloys as contrasted with monocrystal analysis, especially in heterogeneous alloys. Emphasizes that macrodeformation is made up of local microdeformations. Includes photographs of apparatus and microphotographs of several cases of deformation (showing grid).

USSR/Metals (Contd)

Jul 49

which may vary widely from the average value measured by ordinary methods. Points out shortcomings of normal grid method. It is necessary to obtain grid spacing of a few hundredths of a millimeter. Authors used Gammann's apparatus for this purpose. Explains method in detail. Includes photographs of apparatus and microphotographs of several cases of deformation (showing grid).

62/49T9

<p>18</p> <p><b>Study of Microplasticity of Technical Alloys with the Aid of a Microlattice.</b> T. I. Gudkova, N. E. Karska, and G. I. Solovov. (Zavodskaya Laboratoriya, 1940, Vol. 15, July, pp. 818-821). [In Russian]. In the technique described, a rectangular lattice is scratched on the surface of the specimen by means of the diamond prism of a microhardness testing instrument. The load on the prism during the making of the lattice is about 1 kg., the table of the microscope of the instrument, to which the specimen is fixed, being moved to give a network of scratches with interscratch distance of the order of hundredths of a millimetre. Photomicrographs, shown to illustrate the appearance of the micro-lattice on deformed specimens, include those of wrought iron.—s</p>																																																																													
<p><b>ASACSLA METALLURGICAL LITERATURE CLASSIFICATION</b></p> <table border="1"> <tr> <td colspan="13"> <p>REGIONAL LITERATURE</p> <p>GROUPS</p> </td> <td colspan="13"> <p>GENERAL LITERATURE</p> <p>GROUPS</p> </td> </tr> <tr> <td colspan="13"> <p>1 2 3 4 5 6 7 8 9 10 11 12</p> </td> <td colspan="13"> <p>13 14 15 16 17 18 19 20 21 22 23 24</p> </td> </tr> </table>																										<p>REGIONAL LITERATURE</p> <p>GROUPS</p>													<p>GENERAL LITERATURE</p> <p>GROUPS</p>													<p>1 2 3 4 5 6 7 8 9 10 11 12</p>													<p>13 14 15 16 17 18 19 20 21 22 23 24</p>												
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PROCESSES AND PROPERTIES INDEX																			
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<p><b>Measurement of Sagging Due to Small Loads at the Moment of Structural Transformations in Steel.</b>  (In Russian.) N. E. Karakil and T. I. Sobolev, <i>Zavodskaya Laboratoriya</i> (Factory Laboratory), v. 15, Nov. 1949, p. 1355-1358.</p> <p>Describes and diagrams apparatus for measuring the above at high temperatures. This apparatus indicates the increased rate of plastic deformation during austenite decomposition in the pearlite, bainite, and martensite regions and also during restoration, recrystallization, and processes taking place during annealing of quenched steel.</p>																			
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KARSKIY, N. E.

AID P - 3319

Subject : USSR/Power Engineering

Card 1/1 Pub. 26 - 5/28

Author : Karskiy, N. E., Kand. Tech. Sci.

Title : On fragility of high pressure steam steel conduits

Periodical : Elek. sta., 8, 19, Ag 1955

Abstract : The article discusses the fragility of conduits caused by the settling of carbides during operation. The impact strength of different types of steel is discussed. Some recommendations, i.e. maintaining temperatures within and without the conduits on a certain level, precaution measures during repairs, etc. are made. One photo.

Institution : None

Submitted : No date

KARSKY, N. E.

Accelerated method of control of metal in high-pressure steam tubing. *IEE Trans. Power Deliv.*, 1957, No. 3, 8-15. Samples of steel 15M (0.16% C, 0.5 Mn, 0.3 Si, 0.5 Mo) and 15M (same except 0.20 Cr) were obtained from steam tubing that had operated at 480 to 510° at pressures of 100 to 130 kg./sq. cm. for times of 1000 to 60,000 hrs. The microstructures were observed for evidence of spheroidization and graphitization, the 100,000-hr. rupture strength and the creep strength for a rate of 10<sup>-1</sup> per hr. were detd. at 500°, and chem. analyses were made of the C and Mo contents of the steel and the Mo content of the ferrite. The rupture strength in kg./sq. mm. varied with the % Mo in the ferrite according to the equation:  $4.2 + 20\text{Mo}$ , for steels with spheroidized carbides.

Steels that were not spheroidized had higher strengths, and steels that had graphitized had lower strengths than this. The creep strength varied as,  $3 + 0.5\text{Mo}$  kg./sq. mm. At 500° the 0.2% offset yield strength of spheroidized steels was  $20 \pm 2$  kg./sq. mm. for all Mo contents, and the tensile strength was  $25.6 \pm 26.4\text{Mo}$ . These formulas permitted the properties of the steel in tubing to be estd. from the results of chem. analysis of the carbides in the steel. It was recommended that long-time tests be used also. Tests on steel 12M (0.12% C, 0.5 Mn, 0.3 Si, 1.0 Cr) were used to illustrate how this method could be used to predict long-time, high-temp. strength. The Cr and Mo contents of the carbides were detd. in samples of these steels aged under lab. conditions for times up to 3000 hrs. at 600°. The corresponding values for temps. down to 500° were estd. Then the above equations were used to predict the strength properties in the range 500 to 600°.

A. G. Carr

4-4E2C

pl  
Obrf

AUTHOR: Karskiy, N.Ye., Candidate of Technical Sciences. 104-2-8/38

TITLE: Concerning observations on the metal of high pressure piping. (O nablyudenii za metallom truboprovodov vysokogo davleniya)

PERIODICAL: "Elektricheskie Stantsii" (Power Stations), 1957, Vol. 28, No.2, pp. 35 - 41 (U.S.S.R.)

ABSTRACT: During the course of time the reliability of piping that operates at temperatures above 450 C diminishes, mainly because of creep and changes in the structure of the metal. The remanent strain on low alloy steel tubes at destruction by creep is usually a little more than 1% and so the creep must be limited to less than 1% with a rate of creep of  $1 \cdot 10^{-7}$  mm/mm.hr. Structural changes that occur in piping at high temperatures weaken it. According to the old instruction of 1948 creep measurements on high pressure steam piping were made by annual measurements of diameter with a micrometer, the pipes being fitted with a carefully machined boss of stainless steel for this purpose. In recent years experience has revealed the defects of this instruction which were mostly associated with difficulties of measuring the pipes from the bosses. The method took a lot of time and was subject to a number of errors which are described.

Card 1/3

and it is being used in a number of power stations of the Moscow power system. It is, therefore, recommended to change the 1955 instruction and detailed recommendations to this end are made. Rules are given for taking samples of results are unsatisfactory is described. It is recommended

Card 2/3

Concerning observations on the metal of high pressure piping.  
(Cont.) 104-2-8/38

to set up central records of metal structure.

There are 5 figures and 2 tables.

AVAILABLE:

Card 3/3



KARSKIY, N.Ye.

Metal brittleness under the effect of creep. Issl. po zharopr.  
slav. 3:346-363 '58. (MIRA 11:11)  
(Creep of metals) (Metals--Brittleness)

18(1) PAGE 1 BOOK EXPLOITATION NOV/2103

Technical'oy nauchno-issledovatel'skiy institut tekhnologii i mashinostroyeniya  
Struktura i svoystva shirokopolosnykh materialov [Sbornik] (Structure and Prop-  
erties of Broad-Band Materials) [Collection of Articles] Moscow, Mashgiz,  
1959. (Series: Test [Izdat] kn. 9) First slip inserted. 4,000 copies  
printed.

Additional Sponsoring Agencies: USSR, Gosudarstvennaya planovaya komissiya and  
Glavvozvuz upravleniya nauchno-issledovatel'skikh i proyektnykh organizatsiy.  
Ed.: I.S. Petrovskiy, Candidate of Technical Sciences; Ed. of Publishing  
House: I.A. Ivanov; Tech. Ed.: A. P. Dvornov; Managing Ed. for Literature on  
Metal Working and Tool Making: R. D. Bykov; Moscow.

REMARKS: This book is intended for workers of scientific research institutes and  
for engineering staffs of plant laboratories of the metal and machine building  
industries and power stations. It may also be useful to staffs of higher  
educational institutions studying problems of physical metallurgy.

CONTENTS: This collection of articles describes results of work done at  
various institutes on the strength of materials used constantly at high temperatures  
in power plants. The articles deal with problems of heat resistance, al-  
loying, and the production and heat treatment of heat-resistant steels.  
The author analyzes the properties of industrial materials used under high and  
ultra-high pressure conditions. Modern testing methods are discussed. No  
parameitricity are mentioned. References follow several of the articles.

# TABLE OF CONTENTS:

Barilov, E.P., (Candidate of Technical Sciences). Brittleness of Metals in  
Creep 16

The author analyzes the dependence of residual deformation on the  
temperature and time of creep failure of 12 Mn (perlitic) and B237  
(austenitic) steels.

## SECTION II. ALLOYING OF HEAT-RESISTANT ALLOYS AND STEELS, MANUFACTURING PROCESSES AND HEAT TREATMENT

Melits, I.L. (Doctor of Technical Sciences, and Professor), and M.I. Murav'yev, (Eng.)  
Thermodynamic Properties of the Composition on the Structure and Properties of Austenitic  
Fe-Cr-Ni Alloys 33

The author investigates the influence of constituents of cast alloys with  
25 to 40 percent nickel and approximately 16 percent chrome on the  
structure and properties at normal and elevated temperatures. Also the in-  
fluence of small amounts of niobium, molybdenum, columbium, boron, titanium  
and aluminum is discussed.

Melits, I.L. (Candidate of Technical Sciences). Influence of Copper  
on the Properties of High-Nickel Alloys 61

The author presents results of experimental investigation of physical  
and mechanical properties of alloys of approximately 0.12% Cu, 0.001%  
15Cr, 3.5%Ni, 1.7%Ti, 1.6%Nb, 1.0%Al, 0.8% to 2.8%Ni, and 1.0%Cu.  
Special emphasis is given to the effect of added copper.

Melits, I.L. (Candidate of Physical and Mathematical Sciences), E.A.  
Rozov, (Engineer), and M.D. Matkovskiy (Engineer). Intermetallic Compounds  
of the Fe-Cr-Ni System in Fe-Cr-Ni-Alloys With Variable Content of  
Manganese and Silicon 70

Chemical and phase composition of cast Fe-Cr-Ni alloys with approxi-  
mately 16% Cr and 25% Ni, Fe, Ni, Ti and Al as additional agents  
are investigated. The effect of temperature and time of tempering on the  
structure and their time element on the development of the intermetallic compound  
is discussed.

Barilov, E.P., Graphic Method of Determining the Creep Strength by  
Using Parametric Dependency 237

The author presents a graphic method for the use of parametric  
equations (time-temperature method) to determine long-time  
properties from short-time creep tests.

Osting, I.A. (Corresponding Member Academy of Sciences, USSR) and G.A.  
Kuznetsov (Candidate of Technical Sciences). Creep Investigation of  
Austenitic Steel in the State of Complex Stress 243

Results of tests for determining the creep strength of  
austenitic heat-resistant steel samples in the form of thin-walled  
tubes under combined tension and torsion at various rates at 600°C

Cont. 6/9

8

KARSKIY, N.Ye., kand.tekhn.nauk

Brittle failure of metals under creep conditions. [Trudy]  
TSNIITMASH 100:26-41 '59. (MIRA 13:7)  
(Creep of metals)

YAROVINSKIY, L.M., kand.tekhn.nauk; KARSKIY, N.Ye., kand.tekhn.nauk;  
NIKITINA, L.P., kand.tekhn.nauk

Cast perlite steels for power units operating at temperatures of 540° and 570°. [Trudy] TSNIITMASH 100:119-161  
'59. (MIRA 13:7)

(Heat-resistant alloys)

137-58-4-7050

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 4, p 107 (USSR)

AUTHOR: Karjanskiy, V. S.

TITLE: Measures for Improving the Quality of Rolling Rolls (O merakh uluchsheniya kachestva prokatnykh valkov)

PERIODICAL: Tr. Nauchno- tekhn. o-va chernoy metallurgii, 1956, Vol 10, pp 152-164

ABSTRACT: In accordance with the purposes for which they will be used, different measures are employed to improve the quality of rolls (R). In thick and medium-sheet mills, R of carbon steel usually go out of order because of wear of the chilled layer or because of crumbling out of the cementite formation on the surface of the cast iron. Measures taken to reduce crumbling out are the following: use of R with graphite inclusions, uniform cooling, heat to a temperature of 120°, employment of R made of Mg iron or of Cr-Ni steel. Wear of R diminishes when the sheet to be rolled is accurately heated and when the hardness and ductility of the working layer of the R is improved. The employment of Mg iron to form a strong core diminishes the number of R in thin-sheet mills. R for continuous thin-sheet mills should be made with

Card 1/2

137-58-4-7050

### Measures for Improving the Quality of Rolling Rolls

necks of greater strength. R for temper mills and cold rolling should be made of Cr-Ni- or Cr-Ni-Mn iron. When medium and merchant R are employed, the depth of cementation is usually inadequate to penetrate the full depth of the groove profile and, therefore, a portion of the surface of the pass falls into a softer zone. In order to obtain a cementite zone along the entire working profile of the R, they should be cast in shaped iron chill molds. In billet and rail-and-beam mills, particularly with R having short bodies, R of Mg and Cr-Ni-Mg iron are successfully displacing steel rolls.

V. O.

1. Rolling mills
2. Rolls--Improvement

Card 2/2

KARSKIY, V. Ye.

PA 196T97

USSR/Metals - Cast Iron, Casting      Jul 51  
Structure

"Admixtures of Sulfur and Tellurium in Casting  
Chilled Rolls," V. Ye. Karskiy, Engr Lutugino  
Roll Casting Plant

"Litey Proizvod" No 7, pp 7 9

Discusses effect of and procedure for using ad-  
mixts of sulfur and tellurium for improving  
macrostructure of chilled rolls, i.e., increas-  
ing depth of chilled layer and decreasing tran-  
sitional zone. Tellurium proved 16 times more  
efficient than sulfur in achieving good results,  
196T97

USSR/Metals - Cast Iron, Casting      Jul 51  
Structure (Contd)

and its application yields rolls satisfactory in  
macrostructure, even from low-quality metal  
which otherwise gives rolls with extended tran-  
sitional zone.

196T97

Brit Abs B1 (KARSKIY, V. E.) KARSKIY, V. YE.  
June 1953

Ferrous Metallurgy

Influence of additions of sulphur and tellurium during casting of hardened rolls. V. E. Karskiy (*Prizgl. Oblev.*, 1952, May, 165-168; *J. Iron Steel Inst.*, 1953, 173, 200). The production of high-quality cast-Fe rolls is discussed and the improved structure obtained by adding S and Te described. R. B. CLARKE.



KARSSKIY, Vladimir Yevgen'yevich; DOROSHCHENKO, Pavel Petrovich;  
SYCHEV, M., red.; KUZNETSOVA, V., tekhn. red.

[Cupola furnaces with water cooling] Vagranki s vodianym okh-  
lazhdeniem. Lugansk, Luganskoe oblastnoe izd-vo, 1959. 12 p.  
(MIRA 16:1)

(Cupola furnaces)

KARSKY, G.

Systematic differences in fundamental catalogs and the method of equal altitudes.  
In Russina, p. 227.

STUDIA GEOPHYSICA ET GEODAETICA. (Ceskoslovenska akademie ved. Geofysikalni ustav)  
Praha, Czechoslovakia, Vol. 3, no. 3, 1959.

Monthly List of East European Accessions (EEAT), LC, Vol. 8, no. 11, Nov. 1959  
Uncl.

KARSKY, G.

Determination of the interpolation argument. p. 116.

GEODETICKY A KARTOGRAFICKY OBZOR. (Ustredni sprava geodesie a kartografie) Praha, Czechoslovakia. Vol. 5, no. 6, June 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, no. 12, December 1959, Uncl.

KARSKY, G.

"Astronomical dictionary in six languages" by J. Kleczek. Reviewed by  
G. Karsky. Geod kart obzor 8 no.1:16 Ja '62.

1. Geodeticky a topegraficky ustav, Praha.

CHARAMZA, Frantisek, inz.; ~~KARSKY, Georgij, inz.~~; KASL, Josef, inz.;  
KOCIAN, Jan, inz.; STASTNY, Vaclav, inz.; VISOVA, Eva, inz.

Problem of automation of geodetic calculations. Geod kart obzor  
10 no.9/10:217-222 0 '64

KARSKY, MUDr.

Therapy of pain. Prakt. lek., Praha 35 no.14:333-334  
20 July 55.

(PAIN, therapy)

KARSKY V.

AMJ

I

Karsky, Vladimir, Dlouhodobé průměry teplot vzduchu. (Averages of atmospheric temperature over long periods.) Meteorologické zprávy, 441-2) 23, 1950. fig. HH&BH- The table on page 2 of the cover shows monthly and annual air temperature averages for the period of 1901-1930 obtained from 48 observation stations in Bohemia and Moravia. Only the Prague station shows an absolute continuity of location and observation for the entire period. The distribution of the stations is shown on the attached sheet. This distribution is not even but is sufficiently dense. There is, however, ~~not~~ an unfortunate paucity of stations in the 800-1300 meter altitude range. Subject Headings: 1. Temperature normals 2. Long period records 3. Normal period (1901-1930) 4. Czechoslovakia. - G.T.

KARSKY, V.

SCIENCE

PERIODICALS: METEOROLOGICKE ZPRAVY. Vol. 11, no. 4/5, Oct 1958

KARSKY, V. Annual variation of air temperature in Czechoslovakia. p. 108

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 5,  
May 1958, Unclass



KARSLIYEV, S.G.

Role of the upper comb of cotton combing machines. Izv. vys. ucheb.  
zav.; tekhn. tekst. prom. no.2:61-65 '65. (MIRA 18:5)

1. Leningradskiy institut tekstil'noy i legkoy promyshlennosti  
imeni Kirova.

KARSLIYEV, S.G.

Experimental study of the role of the top comb in the combing  
machines. Izv.vys.ucheb.zav.; tekhn.tekst.prom. no.3:51-56 '65.  
(MIRA 18:8)

1. Leningradskiy institut tekstil'noy i legkoy promyshlennosti  
imeni Kirova.

KARSLIYEV, S.G.; SMIRNOV, K.P.

Regulation of the batch length on GD-12 combing machines. Izv.  
vys. ucheb. zav.; tekhn. teks. prom. no.6:34-38 '65.

(MIRA 19:1)

1. Leningradskiy institut tekstil'noy i legkoy promyshlennosti  
imeni S.M. Kirova. Submitted March 12, 1965.

BONDARENKO, V.S.; ANDROSOV, V.F.; KARSLIYEVA, V.I.

Effect of the position of the meniscus of a liquid in a reading capillary on the result of measuring the Zeta potential of capillary systems by the electroosmosis method. Zhur. fiz. khim. 39 no.4:1032-1034 Ap '65. (MIRA 19:1)

1. Leningradskiy institut tekstil'noy i legkoy promyshlennosti.  
Submitted May 19, 1964.

KARSLYANTS, V. P., Candidate Med Sci (diss) -- "The retention of vitamin C in pickled and salted vegetables and in the vegetable dishes served in the therapeutic-prophylactic installations of the city of Alma-Ata". Alma-Ata, 1959. 15 pp (Kazakh State Med Inst), 300 copies (KL, No 24, 1959, 150)

KARSNICKI, W.

TECHNOLOGY

periodicals: SUDOWNICTWO PRZEMISLOLE Vol. 7, no. 6, June 1958

KARSNICKI, W. The purpose and importance of cost accounting and statistics of heavy building machinery. p. 17

Monthly List of East European Accessions (MEAI) LC Vol. 8, no. 5  
May 1959, Unclass.

KARSNICKI, Wladyslaw, mgr., inz.

A conference in Bratislava on steel constructions, September 5-8, 1961. Przegl spaw 14 no.2:56 '62.

1. Biuro Studiow i Projektow Konstrukcji Stalowych "Mostostal"

KARSNICKI, Wladyslaw

Sixth Congress of the International Association for Bridge and Structural Engineering, Stockholm, June 26-July 1, 1960. Nauka polska 11 no.2:121-122 Mr-Ap '63.

1. Biuro Studiow i Projektow Konstrukcji Stalowych, Mostostal, Warszawa.



CA

KARSNITSKAYA, M.S.

12

The amounts and properties of the glycerides present in milk fat. M. Karsnitskaya (Tsitrljasev Agr. Acad., Moscow). *Molochnaya Prom.* 9, No. 3, 22-3 (1948); *Chem. Zentr.* (Russian Zone Ed.) 1949, I, 546.—The milk fat used for these tests was obtained from sweet-cream butter by warming the latter to 50°, filtering, and dissolving in acetone. By slowly cooling this liquid to -15° three fractions were obtained: I (14%) from 30 to 0°, m. 33.9-40.2°; II (21%) from 0 to -5°, m. 27.7°; and III (65%) obtained by distg. off the acetone, solidifying 6.1°. The following values are reported for fractions I, II, and III in order: refraction at 40°, 38.6-42.0, 41.6, 45.1; Reichert-Meissel no. 1.7-18.6, 28.0, 36.8; sapon no. 203-212, 223, 229.6; Polenske no. 1.7-1.85, 2.15, 3.9; iodine no. 6.3-17.2, 24.0, 43.4.  
M. G. Moore

CA

KARSNITSKAYA M.S

12

Changes in unripe cheese during freezing. M. Karsnitskaya and A. Kholopova. Molekulaya Prom. 10, No.

12, 38-40(1949).—Freezing unripe cheese in all stages of ripening lowers the bacterial population and slows ripening by half, when  $-18^{\circ}$  is the freezing temp. Cheese frozen during the early ripening state eventually ripens and its properties do not differ from normal. G. M. Kholopova

KARSNITSKAYA, M. S.

Agriculture

Production of cheese and brynza (Caucasian cheese) on collective farms. Moskva, Sel'-khozgiz, 1951.

Monthly List of Russian Accessions, Library of Congress, November, 1952. UNCLASSIFIED.

1. BARABANSHCHIKOV, N.; KARSNITSKAYA, M.

2. USSR (600)

4. Milk

7. Problem of horsebreeding for milk production, Konevodstvo 23 No. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

KARSNITSKAYA, Mariya Sergeyevna

[Practical work in dairying] Praktikum po molochnomu delu.  
Izd.3., perer. i dop. Moskva, Gos. izd-vo sel'khoz. lit-ry,  
1961. 336 p. (MIRA 15:5)

(Dairying)

КНИЖНИЙ Н.Г.

PHASE I BOOK EXPLOITATION

SOV/5417

Bezpalyy, Vladimir Illarionovich, Ivan Yakovlevich Byaler, Nikolay Georgiyevich Karsnitskiy, and Leonid Dmitriyevich Saprykin

Sbornyy zhelezobeton v podzemnom stroitel'stve (Precast Reinforced Concrete in Underground Construction) Kiyev, Gosstroyizdat USSR, 1961. 248 p. 3,500 copies printed.

Ed.: I. Reznichenko; Tech. Ed.: Ye. Zelenkova.

PURPOSE: This book is intended for builders and designers of underground structures. It may also be used by students taking courses in construction, transportation, or hydraulic engineering.

COVERAGE: Soviet and non-Soviet experience gained in designing and building underground structures is presented in a generalized form, and methods for determining stress states in rock and calculations of reinforcements for different types of excavations are discussed. Considerable attention is given to constructional problems of precast ferroconcrete tunnel linings and shaft casings. Included are

Card 1/7

Precast Reinforced Concrete (Cont.)

SOV/5417

problems dealing with the manufacture of structures, and the organization and mechanization of tunneling and excavating. Chs. V, VIII, and part of I were written by V. I. Bezpalyy; the Foreword and Chs. I, II, IX, and XI, by I. Ya. Byaler; Chs. III, IV, X, and part of II, by N. G. Karsnitskiy; and Chs. VI and VII, by L. D. Saprykin. No personalities are mentioned. There are 86 references, all Soviet.

TABLE OF CONTENTS:

Foreword	3
Introduction	4

PART I. CALCULATION OF SUPPORTING STRUCTURES OF UNDERGROUND CONSTRUCTIONS

Ch. I. Determining Stresses in the Rock Surrounding Excavations	7
Stresses in virgin rock massif	8
Stresses in rock around a horizontal excavation of circular	

Card 2/7

Precast Reinforced Concrete (Cont.)

SOV/5417

cross section	10
Stresses in rock around a horizontal excavation of elliptical cross section	13
Stresses in rock under forces applied along the contour of excavation	16
Stresses in rock around a horizontal excavation of square cross section	17
Stresses in rock around a vertical excavation of circular cross section	19
Criterion of necessity of reinforcing an excavation	21
Stresses in a block of rock; calculation of the stresses	23
Ch. II. Calculating the Reinforcement of Excavations	30
Stresses in mutually supporting rock and circular lining	31
Stresses in mutually supporting rock and lining built of rectilinear members	36
Stresses in mutually supporting rock and lining of a vertical shaft	37
Stresses in rock around parallel reinforced excavations	38

Card 3/7



Precast Reinforced Concrete (Cont.)

SOV/5417

Stresses in rock and lining under forces applied to the inner contour	40
Calculation methods for linings	41
Calculation of precast circular linings made up of large blocks	44

PART II. DESIGNS OF PRECAST FERROCONCRETE LININGS

Ch. III. Types of Precast Ferroconcrete Linings; Basic Propositions Concerning Their Design	62
Tunnel linings made of precast members	64
Reinforcements used in mining construction	65
Experience gained in the use of different types of precast ferroconcrete linings	67
Special features and structural requirements of precast linings	84
Basic principles of lining construction	87
Conclusions	94

Card 4/7

Precast Reinforced Concrete (Cont.)	SOV/5417	
Ch. IV. Circular Linings		96
Linings with plain inside surface		97
Linings with ribbed inside surface		109
Special units for precast linings		120
Ch. V. Reinforcing Noncircular Excavations		123
Linings made up of rectilinear members		124
Lining excavations of complex configuration		139
PART III. EXECUTION OF UNDERGROUND CONSTRUCTIONAL WORK		
Ch. VI. Manufacture of Members for Precast Linings		149
Plain blocks		151
Finned blocks		153
Ferroconcrete tube sections		154
Rectilinear members		155
Ch. VII. Constructing Tunnels and Capital Excavations With Precast Ferroconcrete Linings		156
Mining method		159

Card 5/7

Precast Reinforced Concrete (Cont..)

SOV/5417

Shield method	167
Constructing subway stations	180
Capital excavations reinforced by rectilinear members	184
Complex mechanization of tunnel construction	188
Ch. VIII. Driving of Shafts and Reinforcing Them by Precast Ferroconcrete	196
Construction of lining	198
High-speed shaft driving	203
Ch. IX. Filling in Voids on the Outside of the Lining	206
Grouts used for filling in	209
Execution of work	211
Ch. X. Water Insulation of Precast Linings	213
Glued-over water insulation	214
Rigid-type water insulation	217
Effective waterproofing of lining members	218
Water-insulating joints between members and openings in members	223

Card 6/7

Precast Reinforced Concrete (Cont.)	SOV/5417
Ch. XI. Constructions Within Underground Structures	228
Design of subway stations	229
Designs of escalator tunnels	234
Reinforcement of shaft casings	238
Bibliography	242
AVAILABLE: Library of Congress	

Card 7/7

AC/dwm/os  
8/7/61

GONCHARENKO, N.I., kand.tekhn.nauk; GRECHUKHIN, I.M., inzh.;  
KARSSKIY, V.Ye., inzh.

Vacuum treatment of cast iron for roll casting. Stal' 21  
no.12:1137-1141 D '61. (MIRA 14:12)

1. Lutuginskiy zavod prokatnykh valkov.  
(Rolls (Iron mills))  
(Vacuum metallurgy)

KARSTEN, A.A. (Petropavlovsk)

Virgin Territory and prospects for its development. Geog. v  
shkole 25 no.1:10-18 Ja-F '62. (MIRA 15:1)  
(Virgin Territory--Economic geography)

KARSTEN, Tina

Trip abroad. Vsem. prof. dvizh. no.7/8:19-20 J1-Ag '63.  
(MIRA 16:10)

TSEKHOMSKIY, A.M.; KARSTENS, D.I.; Khabibulina, F.Ya.

Marshallite in the weathering surface of Sinian formation; in  
the Yenisey Range. Trudy VSEGEI 113:51-68 '64.

(MIRA 18:2)



81574

S/076/60/034/06/19/040  
B015/B061

5.5310

AUTHORS: Alekseyevskiy, N. Ye., Dubrovin, A. V., Karstens, G. E.  
(Moscow)

TITLE: The Use of Mass Spectrometers With Heterogeneous Magnetic  
Fields for Gas Analysis

PERIODICAL: Zhurnal fizicheskoy khimii, 1960, Vol. 34, No. 6, pp. 1275-1279

TEXT: The use of a heterogeneous magnetic field in mass spectrometry has some advantages. The gas content in samples of bismuth, gold, germanium, zirconium, lanthanum, and various types of copper was determined here. The experiments were carried out in a special glass apparatus (Fig. 2), and a special device (Fig. 1) was used for the introduction of the gases. The gas current was regulated with a bimetal capillary (of ЭЖ-69 (EZh-69), or ЭЖ-3С (EI-3S) steel). The analysis of the gases separated from the metals was carried out with a glass mass spectrometer (radius: 50 mm), and a metallic mass spectrometer (radius: 152 mm). The spectra were shown up with a self-recording electronic ЭНП-09 (EPP-09) potentiometer, attached to an ЭМУ-2Н (EMU-2P) amplifier.

Card 1/2

8157u

The Use of Mass Spectrometers With Heterogeneous Magnetic Fields for Gas Analysis

S/076/60/034/06/19/040  
B015/B061

In order to achieve complete gas separation from the sample, this was melted down in a vacuum by the use of different methods corresponding to the melting temperature of the sample. With samples of a high gas content (e.g. lanthanum), the sample was boiled in a  $\pi\pi^3-10$  (LGZ-10) high-frequency furnace, and the separated gas was diluted in a special collecting device (Fig. 3) by liquid helium. The values obtained (Table) show that  $10^{-3}$  to  $10^{-4}\%$  gases were separated from the samples, and thus the gas content in some cases greatly exceeded the content of other impurities. Even smaller quantities of gas can be determined by the method described. There are 3 figures, 1 table, and 4 references: 3 Soviet and 1 American.

ASSOCIATION: Akademiya nauk SSSR Institut fizicheskikh problem  
(Academy of Sciences USSR, Institute for Physical Problems)

SUBMITTED: August 8, 1958

Card 2/2

39502

S/056/62/043/002/053/053  
B108/B102

24.7600

AUTHORS: Alekseyevskiy, N. Ye., Yegorov, V. S., Karstens, G. E.,  
Kazak, B. N.

TITLE: Galvanomagnetic properties of transition metal single crystals

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 43,  
no. 2(8), 1962, 731-733

TEXT: The change in resistivity of transition metal single crystals (Pd, Re, Mo) with the change in field strength of a strong magnetic field (up to some 150 koe) was studied at 4.2°K. The results show that Pd and Re have open Fermi surfaces. The Fermi surface of Pd is similar to that of Pt. The square-law increase of resistivity of Mo with increasing magnetic field strength is indicative of a closed Fermi surface. There are 2 figures and 1 table. X

ASSOCIATION: Institut fizicheskikh problem Akademii nauk SSSR  
(Institute of Physical Problems of the Academy of Sciences  
USSR)

Card 1/2

Galvanomagnetic properties of ...

S/056/62/043/002/053/053  
B108/B102

SUBMITTED: June 8, 1962

4.

Card 2/2

ALEKSEYEVSKIY, N.Ye.; KARSTENS, G.H.; MOSEYEV, V.V.

Galvanomagnetic properties of Fe. Zhur.eksp.i teor.fiz. 40  
no.6:1979-1984. Je '64.

1. Institut fizicheskikh problem AN SSSR.

(MIRA 11:10)

ACCESSION NR: AP4042555

S/0056/64/046/006/1979/1984

AUTHORS: Alekseyevskiy, N. Ye.; Karstens, G. E.; Mozhayev, V. V.

TITLE: Investigation of galvanomagnetic properties of Pd

SOURCE: Zh. eksper. i teor. fiz., v. 46, no. 6, 1964, 1979-1984

TOPIC TAGS: palladium, galvanomagnetic property, Fermi surface, transition metal, low temperature research

ABSTRACT: In view of the lack of sufficiently detailed data on the Fermi surfaces of transition metals, the authors investigated the galvanomagnetic properties of single-crystal samples of Pd, whose purity was represented by  $\rho(T = 300K)/\rho(T = 4.2K) = 1500--2100$ . The measurements were made on chemically purified palladium at 4.2K. The angular dependences of the resistance and of the Hall emf were normally investigated in fields up to 26 kOe, although some samples were measured in a field of 36 kOe. It has been established that

Card 1/4

ACCESSION NR: AP4042555

palladium has an open Fermi surface, and the experimental results are consistent with a surface constituting a "three-dimensional grid of corrugated cylinders," with the cylinder axes along the fourfold axes of the reciprocal lattice. The average constant diameter of these cylinders is approximately  $(0.25 \pm 0.03) b$ , where  $b$  is the palladium reciprocal lattice period in the  $[100]$  direction:  $b = 2(2\pi/a)$ ,  $a = 3.88 \text{ \AA}$ . It is concluded that the open surface of palladium represents holes.

ASSOCIATION: Institut fizicheskikh problem Akademii nauk SSSR  
(Institute of Physics Problems, Academy of Sciences SSSR)

SUBMITTED: 30Dec63

DATE ACQ:

ENCL: 02

SUB CODE: SS, NP

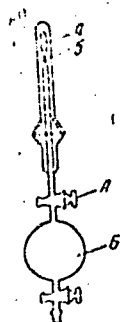
NR REF SOV: 007

OTHER: 000

Card 2/4

ACCESSION NR: AP4042555

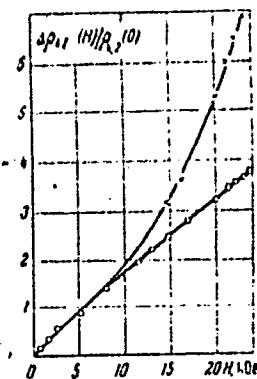
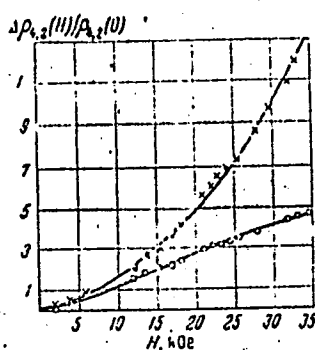
ENCLOSURE: 01



Ampoule  
for melting

A - petcock

Card 3/4

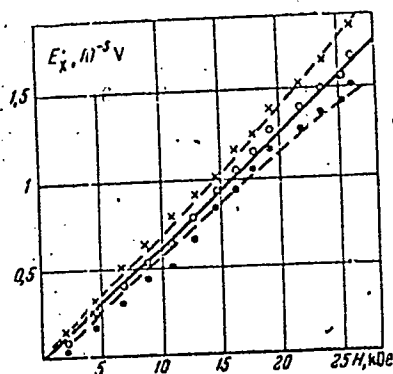
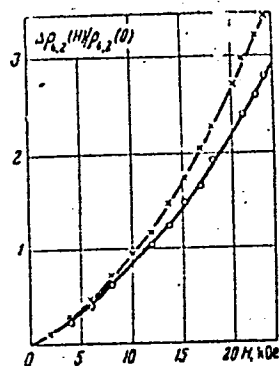


Variation of resistance in magnetic field for  
samples Pd-9 (left) and Pd-51 (right)



ACCESSION NR: AP4042555

ENCLOSURE: 02



Dependence of resistivity (Pd-10 sample, left) and Hall emf (right, sample Pd-9) on the magnetic field

Card 4/4

L 36458-66 EWT(1)/EWT(m)/T/ENP(t)/ETI IJP(c) JD/JG

ACC NR: AP6018798 SOURCE CODE: UR/0056/66/050/005/1202/1204

AUTHOR: Alekseyevskiy, N. Ye.; Karstens, G. E.; Mozhayev, V. V. 5/6  
B

ORG: Institute of Problems in Physics, AN SSSR (Institut fizicheskikh problem AN SSSR)

TITLE: Investigation of the galvanomagnetic properties of hydrogenized palladium single crystals 4

SOURCE: <sup>h1</sup>Zh eksper i teor fiz, v. 50, no. 5, 1967, 1202-1204

TOPIC TAGS: hydrogen doped palladium, crystal anisotropy, electromotive force, Hall constant, Fermi surface

ABSTRACT: The <sup>2/</sup>galvanomagnetic properties and Hall electromotive force have been studied in high-purity hydrogenized palladium single crystals with  $\rho(T=300K)/\rho(T=4.2K) \sim 3000$  for hydrogen concentrations between 0 and 20 at %. Within these limits, the nature of the resistance anisotropy did not vary. The resistance anisotropy in

Card 1/2

L 36458-66

ACC NR: AP6018798

effective fields remained constant, and the Hall constant for small hydrogen concentrations (0—3 at %) did not change. On the basis of the data obtained, it can be concluded that a small hydrogen concentrations no change develops in the open regions of the Fermi surface. Orig. art. has: 3 figures. [Based on authors' abstract] [NT]

SUB CODE: 20/ SUBM DATE: 09Dec65/ ORIG REF: 002/ OTH REF: 001

Card

2/2 *JS*

KARSULIN G.

Yugoslavia (430)

Technology

Synthetic dry oils. p. 43. KEMIJA U INDUSTRIJI.  
Vol 1, No 2, 1952.

East European Accessions List. Library of Congress,  
Vol 1, No 14, December 1952.

UNCLASSIFIED

L 24056-66 EWT(d)/EWP(1) LJP(c) BB/GG

ACC NR: AP6013237

SOURCE CODE: UR/0413/66/000/008/0031/0031

INVENTOR: Misulovin, L. Ya.; Karsums, A. M.; Koblents, Ya. G.; Lomas, T. A.;  
Artsishevskiy, V. V. 37  
B

ORG: none

TITLE: Matrix ferrite diode-storage device. <sup>166/</sup> Class 21, No. 180630 [announced by the  
State Electrical Equipment Plant of the Latvian Sovnarkhoz (Zavod VEF Latviyskogo  
SHKh); Scientific Research Institute of Urban and Rural Telephone Communications  
(Nauchno-issledovatel'skiy institut gorodskoy i sel'skoy telefonnoy svyazi)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 8, 1966, 31

TOPIC TAGS: storage device, ferrite core memory, *ferrite*

ABSTRACT: An Author Certificate has been issued for a matrix ferrite diode-storage device which, using a relay control, has the number of columns which corresponds to the information, while the number of rows is determined by the code. In order to use the recording wires for all the cores of one row and to combine them with the output wires of the row, the input of each recording wire is connected through the controlling contact to the battery minus pole, while its output is connected to the actuating device using the controlled relay. In order to combine the recording windings with the output windings, one winding, which in series with the decoupling diode is connected with the recording wire at one end and with the reading wire at

Card 1/2

UDC: 621.374.32

L 24056-66

ACC NR: AP6013237

the other, is wound around each ferrite core. This winding serves all the cores of one row and is connected through the selecting contact with the battery pole on one side and through the controlling contact with the reading current source on the other. [DW]

SUB CODE: 09/ SUBM DATE: 16Jun63/

Card

2/2 dda-

*KARSUN, Ye. A.*

SHMIDT, T.A.; KARSUN, Ye.A.

Strongylias in Odessa Province. Med.paraz. i paraz.bol.supplement  
to no.1:74 '57. (MIRA 11:1)

1. Iz kliniki infektsionnykh bolezney Odess ogo meditsinskogo instituta  
i parazitologicheskogo otdeleniya Odesskoy gorodskoy sanitarno-  
epidemiologicheskoy stantsii.

(ODESSA PROVINCE--NEMATODA)

KARSENKIN, P. S.

Mine Railroads

Mechanizing the changing of mine cars at the mine surface. Mekh.trud.rab. 7, No. 3, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.



KARSUNKINA, V.A.

Cooperation between the zinc and copper industries (on the example of the Ural Mountain plants). Izv. vys. ucheb. zav.; tsvet. met. 5 no.2:150-155 '62. (MIRA 15:3)

1. Krasnoyarskiy institut tsvetnykh metallov, kafedra ekonomiki promyshlennosti.

(Zinc--Metallurgy) (Copper--Metallurgy)

Karsybekov, M. A.

Hydrogenation of acetylene, M. A. Karsybekov (Kazakh State Univ., Alma-Ata), *Kazakhskoe khimicheskoe obozrenie*, 1955, 6, 165-70. In hydrogenation of  $C_2H_2$  in aq. fumaric acid over Raney Ni at 0-80° the greatest yield of  $C_4H_6$  was obtained at catalyst potential of 400-500 mv. relative to a calomel half-cell; the highest yield was obtained from a 1:3 mixt. of  $C_2H_2$  and  $H_2$ , when up to 84.7%  $C_4H_6$  was obtained, based on utilized  $C_2H_2$ . Hydrogenation in 0.1N NaOH is retarded by addn. of fumaric acid. G. M. Kosolantov.

pm.

24

509

KARSYBNKOV, M.A., Cand Chem Sci—(diss) "Hydrogenation of acetylene in  
the liquid phase." Alma-Ata, 1958. 28 pp with graphs (Kazakh State U in  
S.M.Kirov) 150 copies, Bibliography at end of text (10 titles) (K1,49-58,120)

KARSYBEKOV, M.A.; SOKOL'SKIY, D.V.

Hydrogenation of acetylene in the liquid phase. Report No.2:  
Hydrogenation of acetylene on palladium catalyst. Trudy Inst.  
khim.nauk AN Kazakh. SSR 2:134-142 '58. (MIRA 12:2)  
(Acetylene) (Hydrogenation) (Palladium)

SOKOL'SKIY, D.V.; GOLODOV, F.G.; GOLODOVA, L.S.; YERZHANOV, A.I.;  
POD"YECHVA, Ye.L.; Primali uchastiya; KARSYBEKOV, M.A.,  
dotsent; SDOBNOV, Ye., diplomnik; ANTONOV, N., diplomnik

Hydrogenation of cottonseed oil in solvents in a laboratory  
column-type flow system with a fixed-bed catalyst. Trudy  
Inst.khim.nauk AN Kazakh.SSR 8:128-135 '62. (MIRA 15:12)  
(Cottonseed oil) (Hydrogenation)

KARSIYEMOVA, G.R.

"Thallium Plaster in the Treatment of Fungus Diseases of the Scalp." Cand Med  
Sci, Samarkand Medical Inst, Samarkand, 1954. (RZhBio., No 3, Apr 55)

SC: Sum.No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations  
Defended at USSR Higher Educational Institutions (15).

KARSYBEKOVA, G. R.

MLA  
Absorption and excretion of thallium. G. R. Karsy-  
bekova. *Izvest. Akad. Nauk SSSR, Ser. Med.* 7:  
1936, No. 7, 118-21. The absorption of Tl from  
TlOAc depilatory plasters used in the treatment of ringworm  
varies markedly with individuals and has little relation to the  
content of Tl in the plaster. The plasters remain effective  
even though 25% of the Tl is absorbed from a 3% plaster.  
The excretion of Tl is slow and interrupted. The rate of ex-  
cretion for children is larger than for adults. The most  
intense excretion is during the 4 weeks after application  
of the plaster. The application of a second plaster results  
in a greater and more rapid excretion. Presumably the ab-  
sorption is more rapid the second time. The histological  
changes in the skin produced by Tl plasters are temporary.  
John Howie Scott.

KARSYBEKOVA, G.R.

Fungous flora in the city of Karaganda. Zdrav. Kazakh. 21 no.1:  
78-79 '61. (MIRA 14:3)

1. Iz kafedry kozhnykh bolezney (zav. -- kand. med. nauk G.R.Karsy-  
bekova) Karagandinskogo meditsinskogo instituta.  
(KARAGANDA-FUNGI, PATHOGENIC)



*WITKIS ZEROS H/15 Helena*

POLAND/Chemical Technology - Chemical Products and Their H-23  
Application, Part 3. - Chemical Wood Pulp Industry,  
Hydrolysis Industry.

Abs Jour : Ref Zhur - Khimiya, No 7, 1958, 22831

Author : Helena Karszewska

Inst : "

Title : Wastes of Cellulose Industry as Raw Materials for Fermenta-  
tion Industry.

Orig Pub : Przem. spozywczy, 1957, 11, No 10, 436-438

Abstract : It is recommended to utilize the used up sulfite lyes for  
alcohol production with a raised yield (application of cor-  
responding species of yeast), production of yeast and other  
various fermentation products (acetone, butanol).

Card 1/1

KART, B.

Noncontractual construction of apartment houses. Stroitel' no.4:14  
Ap '57. (MIRA 10:6)

1. Glavnyy inzhener otdeleniya kapital'nogo stroitel'stva zavoda  
"Novoye Sormovo".  
(Apartment houses)

KART, B. INZH/  
KART, B., inzh.

Experience in constructing apartment houses in Gorkiy using  
local labor. Gor.i sel.stroi. no.8/5:5-9 Ag-S '57. (MIRA 10:12)  
(Gorkiy--Apartment houses)

MALYSHEV, S.I.; KUDRYAVTSEV, N.P.; KARTA, V.G.

Mastering the rolling of beam columns on the rail and structural  
steel 800 mill. Stal' 23 no. 3 253-255 Mr '64. (MIRA 17:5)

KARTACHEV, N.N.; KRYZHANOVSKIY, O.L.

Mass burial of insects on the shores of salt ponds of the western Uzboy  
Valley. Biul.MOIP. Otd.biol. 59 no.2:31-32 Mr-Apr '54. (MLRA 7:6)  
(Uzboy Valley--Insects, Fossil) (Insects, Fossil--Uzboy Valley)

KARTAK, B.R.

Phosphate coating of metal for cold upsetting. Kuz.-shtan.  
proizv. 5 no.10:40-41 0 '63. (MIRA 16:11)

L 32021-66

ACC NRG AP6005495

(A)

SOURCE CODE: CZ/0078/66/000/001/0013/0013

AUTHOR: Kartak, Jan (Engineer; Candidate of sciences; Prague)

ORG: none

40  
B

TITLE: Feed control for powder fuel for steam boilers. CZ Pat. No. PV 6032-64

SOURCE: Vynalezky, no. 1, 1966, 13

TOPIC TAGS: steam boiler, combustion control, powder fuel

ABSTRACT: A method of controlling fuel combustion has been introduced whereby the fuel feed rate is regulated either by steam pressure or by the amount of steam produced while the air rate is controlled either by signaling this amount or the oxygen or carbon dioxide content in the combustion products. The fuel feed signal is constantly adjusted by a corrective signal produced by heat radiated from the flame or by a similar signal depending on this heat, or by both signals. In this arrangement a decrease in the corrective signal increases the principal signal and vice versa. In cycles with direct fuel blowing, the supply of primary air is also subject to continuous control by the above-described corrective signals. [KP]

SUB CODE: 21/ SUBM DATE: 30Oct64

Card

1/1

ACC NR: AP6034657 (A) SOURCE CODE: CZ/0078/66/000/008/0014/0014

AUTHOR: Kartak, Jan (Engineer; Candidate of sciences; Prague)

ORG: none

TITLE: Control of supply of fuel and air for combustion. CZ Pat. No. PV 4679-64

SOURCE: Vynalezky, no. 8, 1966, 14

TOPIC TAGS: fuel control, combustion, combustion product, furnace

ABSTRACT: A method of controlling the supply of fuel and air for combustion when fuel is burnt in a volume is presented. The signal is picked up from a large amount of heat radiated by the combustion product on the heating surfaces in the furnace. The amount of heat is signalled by the combustion product to the additional heat-exchange surfaces as a multiple of the difference between the temperatures of the combustion products. These signals are added to give the resulting pulse. Control of the air intake is carried out at the extreme value of the resulting impulse, while control of the fuel intake is carried out by the instantaneous value of the resulting signal. [KS]

SUB CODE: 21/SUBM DATE: 20Aug64/

Card 1/1



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Theory of the multiple integral. p. 400.

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Czechoslovakia

so. EAST EUROPEAN SCIENCE NEWS vol. 5, no. 7 July 1956

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"Mathematical methods in chemical engineering" by V.G. Jenson,  
G.V. Jeffrey. Reviewed by K. Kartak. Chem listy 58 no.10:  
1180-1181 O '64.

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Theorem on substitution in Denjoy's integrals. p.410.

(Casopis Pro Pestovani Matematiky. Vol.81, no.4, Nov. 1956. Para, Czechoslovakia)

SO: Monthly List of East European Accessions (EHAL) LC, Vol.6, no.6, June 1957. Uncl.

KARTAK, M.

Kartak, M. Studying losses in long-distance heating systems. p. 275.  
ENERGETIKA. Praha. Vol. 5, no. 7, Aug. 1955.

SO: Monthly List of the East European Accession, (EEAL), LC. Vol. 4,  
no. 10, Oct. 1955. Uncl.

KARTAKOVA, C.

PRCHLIK, J.; KARTAKOVA, C.; NOVOTNY, J. "Some methods for producing fine-grained and powdered mixtures."

Paliva, Praha, Vol 34, No 5, May 1954, p. 121

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

KARTA KOVA, C. D.

Purification material and ammonium sulfate from waste ferrous sulfate. J. Pichlik, L. Hlinák, and C. D. Karta. *Koiva. Pulica* 35, 167-69 (1935).—An investigation was made to produce economically for gas-works purification material utilizing tech.  $\text{FeSO}_4$  and waste  $\text{NH}_3$  vapors for manufg. tech.  $(\text{NH}_4)_2\text{SO}_4$ . As a source for  $\text{FeSO}_4$ , pyrite and products from S burners were used, rich in Fe and low in S. A schematic diagram was prepd. for small gas works, whereby tech.  $\text{FeSO}_4$  is contacted with  $\text{NH}_3$ -contg. waste waters in order to reduce their  $\text{NH}_3$  content and to purify them. In addn. these waters can be further used as fertilizer in agriculture. Jos. Lederer

KARTAKOVA, C.D.

CZECH

The manufacture of powdered and granulated material. Polina 34, 131-54. D. Kartakova, and L. Novotny. Powdered and powd. material is used for purification. The machinery, presses, mills for the comminution, and mixers are described. It is pointed out that the agglomeration process is not feasible owing to the low strength of briquets in bulk handling. On. Lotarev.

KARTAKOVA, C. D.

CZECH

Recovery of sulfur from spent gas works purification  
mass. J. Prehls, L. Hlinský, and C. D. Kartakova.  
Papers 34, 398-304 (1964).--Plant extractors and lab. exptl.  
extractors were described. Of interest are data obtained  
by lab. toluene atm. extrn. and toluene-xylene vacuum extrn.  
30 references. Jos. J. Joderer



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Obtaining sulfur from gas scrubber waste by extraction.  
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FERROUS SULPHATE. Prochlik, J., Hlink, L. and Kartakova, D. (Pallava (Fuel,  
Prague), June 1955, vol. 35, 151-152). A description is given of a purifying  
agent for use in the gas industry and of its production from commercial ferrous  
sulphate simultaneously with the production of ammonium sulphate. A proposed  
plant layout is shown. It is also proposed to use ferrous sulphate for the  
purification of waste ammoniacal waters at small gas works; the ammonia will  
be converted in the water into ammonium sulphate and the water will be used as  
a fertilizer. (L).

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VAMOS, Lasso, dr.; KARTAL, Arpad, dr.

Therapeutic experiments to influence chronic urticaria and extensive alopecias by ammonium chloride. Orv. hetil. 97 no. 5:137-140 29 Jan 56.

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(AMMONIUM CHLORIDE, ther. uso

alopecia areata & chronic urticaria, dis. & results. (Hun))

(ALOPECIA AREATA, ther.

ammonium chloride, dos. & results. (Hun))

(URTICARIA

chronic, ther., ammonium chloride, dos. & results. (Hun))

VARRO, Vince, dr.; BAJUSZ, Gyula, dr.; HOFFMANN, Janos, dr.; HUSZKA,  
Endre, dr.; JUNG, Ibolya, dr.; KARTAL, Bela, dr.

Gastric cancer — experiences and thoughts. Orv. hetil. 105  
no.11:481-484 15 Mr'64.

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